

**CURTISS -  
WRIGHT**

# Problems We Solve

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## COMPANY PROFILE

Curtiss-Wright Corporation (NYSE:CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Power, Process and Industrial markets.

Our proven surface treatments meet industry demands for lighter materials, improved performance and life extension in key markets such as Aerospace, Automotive, Energy and Medical. We can prevent premature failures due to fatigue, corrosion, wear, and fretting.



Surface Technologies is a Division of Curtiss-Wright (NYSE:CW) a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships.

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## Problems We Solve

- Fatigue
- Wear
- Fretting
- Erosion / Abrasion
- Corrosion / Stress Corrosion Cracking
- Thermal Fatigue
- Electrical Insulation

## Which Result From Component Failures Initiated By

- The design and choice of materials
- Manufacturing
- Processing and assembly
- The application of heat
- Welding and grinding
- Machining and distortion of the part due to bending, rolling or forging
- Temperature and environmental conditions
- Uneven, high or low cyclic loads or stress profile
- Compression
- Torsion and bending
- Foreign object damage

For more information on all our services and full worldwide contact:

**US: [www.cwst.com](http://www.cwst.com) +1 201.518.2979 | UK: [www.cwst.co.uk](http://www.cwst.co.uk) +44 (0)1635 279621**

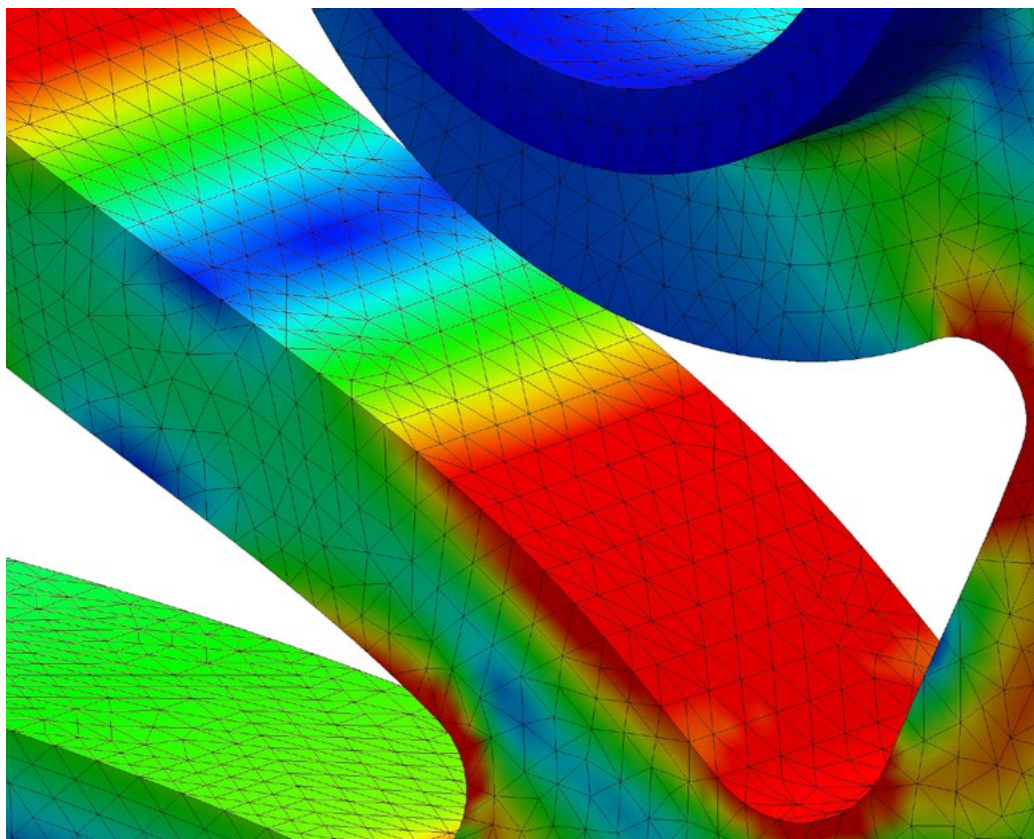
# CURTISS - WRIGHT

## Solutions We Provide

### Problems We Solve Search Tool

We recently launched a problems we solve search tool which gives a detail list of components that we process within the particular market category you select, what failures they are susceptible to and the component protection available to prevent failures.

Learn more about the Problems we solve tool: <https://cwst.com/problems-we-solve/>



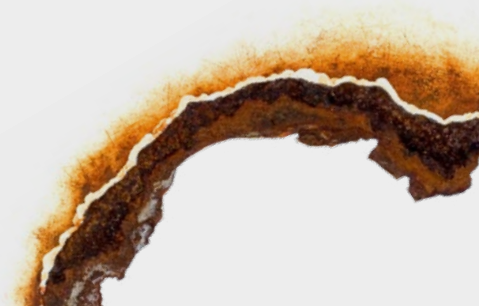
### Solutions We Provide

Curtiss-Wright Surface Technologies maintains a global network of facilities that perform treatments to enable components operating in harsh environments to last longer and perform better.

#### Our Technologies Include:

- Shot/Laser Peening
- Peen Forming
- Super Finishing
- Coatings
  - Solid Film Lubricants
  - Thermal Spray Coatings
  - Keronite PEO Coatings
  - Conformal Coatings
  - EMI/RFI Shielding
- Material Testing & Analysis

Curtiss-Wright Surface Technologies supports every stage of the manufacturing process from design and new manufacturing, to material testing and analysis through to in service maintenance, metal repair and overhaul of components – our metal repair and component protection services increase the strength and performance of parts, thereby reducing costs and downtime.



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